

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/759,334D
Source: IFWO
Date Processed by STIC: 3-23-05

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 03/23/2005

PATENT APPLICATION: US/10/759,334D

TIME: 13:03:40

Input Set : A:\Pruitt Cell Lineage sequence listing Non-Prov fixed 3-15-

05.txt

Output Set: N:\CRF4\03232005\J759334D.raw

3 <110> APPLICANT: Pruitt, Steven C.
 5 <120> TITLE OF INVENTION: Method for Comprehensive Identification of Cell Lineage
 Specific Genes
 7 <130> FILE REFERENCE: 03551.0124
 9 <140> CURRENT APPLICATION NUMBER: 10/759,334D
 10 <141> CURRENT FILING DATE: 2004-01-16
 12 <150> PRIOR APPLICATION NUMBER: US 60/440,510
 13 <151> PRIOR FILING DATE: 2003-01-16
 15 <160> NUMBER OF SEQ ID NOS: 39
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 151
 19 <212> TYPE: DNA
 20 <213> ORGANISM: artificial sequence
 22 <220> FEATURE:
 23 <221> NAME/KEY: unsure
 24 <222> LOCATION: 19-32, 51-64, 83-96, 103-116, 147-151
 25 <223> OTHER INFORMATION: ligated string of sequence tags example; n is a,t,g or c
 27 <400> SEQUENCE: 1

W--> 29 tctagacagt ctggagagnn nnnnnnnnnnn nntctagaca gtctggagag 50
 30 nnnnnnnnnnn nnnntctaga cagtctggag agnnnnnnnnn nnnnnntcta 100
 31 gannnnnnnnn nnnnnnctct ccagactgtc tagacagtct ggagagnnnn 150
 32 n 151

34 <210> SEQ ID NO: 2
 35 <211> LENGTH: 18
 36 <212> TYPE: DNA
 37 <213> ORGANISM: artificial sequence
 39 <220> FEATURE:
 40 <223> OTHER INFORMATION: PCR Primer
 42 <400> SEQUENCE: 2
 43 ccgcttttct ggattcat 18
 45 <210> SEQ ID NO: 3
 46 <211> LENGTH: 21
 47 <212> TYPE: DNA
 48 <213> ORGANISM: artificial sequence
 50 <220> FEATURE:
 51 <223> OTHER INFORMATION: MAGE Universal Adapter
 53 <400> SEQUENCE: 3
 54 tctagaggac tgcgtgggcg a 21
 56 <210> SEQ ID NO: 4
 57 <211> LENGTH: 25
 58 <212> TYPE: DNA
 59 <213> ORGANISM: artificial sequence
 61 <220> FEATURE:

(pg. 7)

62 <221> NAME/KEY: unsure

RAW SEQUENCE LISTING

DATE: 03/23/2005

PATENT APPLICATION: US/10/759,334D

TIME: 13:03:40

Input Set : A:\Pruitt Cell Lineage sequence listing Non-Prov fixed 3-15-

05.txt

Output Set: N:\CRF4\03232005\J759334D.raw

```

63 <222> LOCATION: 24,25
64 <223> OTHER INFORMATION: MAGE Universal Adapter; n is a,t,g or c
66 <400> SEQUENCE: 4
W--> 67 cctcgccac gcagtcctct agann      25
69 <210> SEQ ID NO: 5
70 <211> LENGTH: 19
71 <212> TYPE: DNA
72 <213> ORGANISM: artificial sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: MAGE PCR Primer
77 <400> SEQUENCE: 5
78 cctcgccac gcagtcctc      19
80 <210> SEQ ID NO: 6
81 <211> LENGTH: 18
82 <212> TYPE: DNA
83 <213> ORGANISM: artificial sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: MAGE PCR Primer
88 <400> SEQUENCE: 6
89 cggctgggtg tggcggac      18
91 <210> SEQ ID NO: 7
92 <211> LENGTH: 16
93 <212> TYPE: DNA
94 <213> ORGANISM: Mus musculus
96 <400> SEQUENCE: 7
97 ggcgacacgc gcacct      16
99 <210> SEQ ID NO: 8
100 <211> LENGTH: 16
101 <212> TYPE: DNA
102 <213> ORGANISM: Mus musculus
104 <400> SEQUENCE: 8
105 agggaggaga tgtagt      16
107 <210> SEQ ID NO: 9
108 <211> LENGTH: 16
109 <212> TYPE: DNA
110 <213> ORGANISM: Mus musculus
112 <400> SEQUENCE: 9
113 actacatctc ctccct      16
115 <210> SEQ ID NO: 10
116 <211> LENGTH: 16
117 <212> TYPE: DNA
118 <213> ORGANISM: Mus musculus
120 <400> SEQUENCE: 10
121 gggttgtctt cactct      16
123 <210> SEQ ID NO: 11
124 <211> LENGTH: 16
125 <212> TYPE: DNA
126 <213> ORGANISM: Mus musculus
128 <400> SEQUENCE: 11

```

RAW SEQUENCE LISTING

DATE: 03/23/2005

PATENT APPLICATION: US/10/759,334D

TIME: 13:03:40

Input Set : A:\Pruitt Cell Lineage sequence listing Non-Prov fixed 3-15-

05.txt

Output Set: N:\CRF4\03232005\J759334D.raw

```
129 cccaggatgt atagct 16
131 <210> SEQ ID NO: 12
132 <211> LENGTH: 16
133 <212> TYPE: DNA
134 <213> ORGANISM: Mus musculus
136 <400> SEQUENCE: 12
137 agtctggaaa cctgtc 16
139 <210> SEQ ID NO: 13
140 <211> LENGTH: 16
141 <212> TYPE: DNA
142 <213> ORGANISM: Mus musculus
144 <400> SEQUENCE: 13
145 actacatctc ctacct 16
147 <210> SEQ ID NO: 14
148 <211> LENGTH: 16
149 <212> TYPE: DNA
150 <213> ORGANISM: Mus musculus
152 <400> SEQUENCE: 14
153 aggtaagtgc tgctgc 16
155 <210> SEQ ID NO: 15
156 <211> LENGTH: 16
157 <212> TYPE: DNA
158 <213> ORGANISM: Mus musculus
160 <400> SEQUENCE: 15
161 aggtaagtac aagctg 16
163 <210> SEQ ID NO: 16
164 <211> LENGTH: 16
165 <212> TYPE: DNA
166 <213> ORGANISM: Mus musculus
168 <400> SEQUENCE: 16
169 acctcagttg attcct 16
171 <210> SEQ ID NO: 17
172 <211> LENGTH: 16
173 <212> TYPE: DNA
174 <213> ORGANISM: Mus musculus
176 <400> SEQUENCE: 17
177 agctttgaat tcatga 16
179 <210> SEQ ID NO: 18
180 <211> LENGTH: 16
181 <212> TYPE: DNA
182 <213> ORGANISM: Mus musculus
184 <400> SEQUENCE: 18
185 tttctcaggg tagcct 16
187 <210> SEQ ID NO: 19
188 <211> LENGTH: 16
189 <212> TYPE: DNA
190 <213> ORGANISM: Mus musculus
192 <400> SEQUENCE: 19
193 tccgctcaat gtacct 16
```

RAW SEQUENCE LISTING

DATE: 03/23/2005

PATENT APPLICATION: US/10/759,334D

TIME: 13:03:40

Input Set : A:\Pruitt Cell Lineage sequence listing Non-Prov fixed 3-15-

05.txt

Output Set: N:\CRF4\03232005\J759334D.raw

```
195 <210> SEQ ID NO: 20
196 <211> LENGTH: 16
197 <212> TYPE: DNA
198 <213> ORGANISM: Mus musculus
200 <400> SEQUENCE: 20
201 agggttggac tcaagg 16
203 <210> SEQ ID NO: 21
204 <211> LENGTH: 16
205 <212> TYPE: DNA
206 <213> ORGANISM: Mus musculus
208 <400> SEQUENCE: 21
209 actacatctc ctccgt 16
211 <210> SEQ ID NO: 22
212 <211> LENGTH: 16
213 <212> TYPE: DNA
214 <213> ORGANISM: Mus musculus
216 <400> SEQUENCE: 22
217 cacgggggcg gaggct 16
219 <210> SEQ ID NO: 23
220 <211> LENGTH: 16
221 <212> TYPE: DNA
222 <213> ORGANISM: Mus musculus
224 <400> SEQUENCE: 23
225 aggtaaccct gtgctg 16
227 <210> SEQ ID NO: 24
228 <211> LENGTH: 16
229 <212> TYPE: DNA
230 <213> ORGANISM: Mus musculus
232 <400> SEQUENCE: 24
233 aggtagacta cttgtg 16
235 <210> SEQ ID NO: 25
236 <211> LENGTH: 16
237 <212> TYPE: DNA
238 <213> ORGANISM: Mus musculus
240 <400> SEQUENCE: 25
241 cgccatcgct ctagct 16
243 <210> SEQ ID NO: 26
244 <211> LENGTH: 16
245 <212> TYPE: DNA
246 <213> ORGANISM: Mus musculus
248 <400> SEQUENCE: 26
249 aggctcatca gctgac 16
251 <210> SEQ ID NO: 27
252 <211> LENGTH: 16
253 <212> TYPE: DNA
254 <213> ORGANISM: Mus musculus
256 <400> SEQUENCE: 27
257 aggtgtggat ccagag 16
259 <210> SEQ ID NO: 28
```

RAW SEQUENCE LISTING

DATE: 03/23/2005

PATENT APPLICATION: US/10/759,334D

TIME: 13:03:40

Input Set : A:\Pruitt Cell Lineage sequence listing Non-Prov fixed 3-15-

05.txt

Output Set: N:\CRF4\03232005\J759334D.raw

260 <211> LENGTH: 16
261 <212> TYPE: DNA
262 <213> ORGANISM: Mus musculus
264 <400> SEQUENCE: 28
265 aggtagggtct cgatct 16
267 <210> SEQ ID NO: 29
268 <211> LENGTH: 16
269 <212> TYPE: DNA
270 <213> ORGANISM: Mus musculus
272 <400> SEQUENCE: 29
273 agaatacgat acccag 16
275 <210> SEQ ID NO: 30
276 <211> LENGTH: 16
277 <212> TYPE: DNA
278 <213> ORGANISM: Mus musculus
280 <400> SEQUENCE: 30
281 agggcatttc tattac 16
283 <210> SEQ ID NO: 31
284 <211> LENGTH: 16
285 <212> TYPE: DNA
286 <213> ORGANISM: Mus musculus
288 <400> SEQUENCE: 31
289 agctaatacac caaagc 16
291 <210> SEQ ID NO: 32
292 <211> LENGTH: 16
293 <212> TYPE: DNA
294 <213> ORGANISM: Mus musculus
296 <400> SEQUENCE: 32
297 aggatccact gtttac 16
299 <210> SEQ ID NO: 33
300 <211> LENGTH: 16
301 <212> TYPE: DNA
302 <213> ORGANISM: Mus musculus
304 <400> SEQUENCE: 33
305 aggtcctgcc tcagca 16
307 <210> SEQ ID NO: 34
308 <211> LENGTH: 16
309 <212> TYPE: DNA
310 <213> ORGANISM: Mus musculus
312 <400> SEQUENCE: 34
313 aggtcctgcc tcagca 16
315 <210> SEQ ID NO: 35
316 <211> LENGTH: 16
317 <212> TYPE: DNA
318 <213> ORGANISM: Mus musculus
320 <400> SEQUENCE: 35
321 aggactgatt gtggtg 16
323 <210> SEQ ID NO: 36
324 <211> LENGTH: 16

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/23/2005
PATENT APPLICATION: US/10/759,334D TIME: 13:03:41

Input Set : A:\Pruitt Cell Lineage sequence listing Non-Prov fixed 3-15-

05.txt

Output Set: N:\CRF4\03232005\J759334D.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 19,20,21,22,23,24,25,26,27,28,29,30,31,32,51,52,53,54,55,56

Seq#:1; N Pos. 57,58,59,60,61,62,63,64,83,84,85,86,87,88,89,90,91,92,93,94

Seq#:1; N Pos. 95,96,103,104,105,106,107,108,109,110,111,112,113,114,115

Seq#:1; N Pos. 116,147,148,149,150,151

Seq#:4; N Pos. 24,25

VERIFICATION SUMMARY

DATE: 03/23/2005

PATENT APPLICATION: US/10/759,334D

TIME: 13:03:41

Input Set : A:\Pruitt Cell Lineage sequence listing Non-Prov fixed 3-15-

05.txt

Output Set: N:\CRF4\03232005\J759334D.raw

L:29 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0

M:341 Repeated in SeqNo=1

L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0